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configured for insertion into the opening of the tube for allowing rotational movement of the tube about said cylindrical stub for controlling the inner diameter of the tube; and

wherein at least one of said pieces of the mold includes a heat source, formed within the one piece, for heating the tube to render it malleable.

9 31. (Twice Amended) Apparatus for shaping a selected portion of a glass tube comprising:

a support means for holding the tube and for imparting rotational motion to the tube;

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a multi-piece mold having one piece in which is formed a heat distribution source, said mold having two side pieces for imparting an oblate cone-like shape to a selected end portion of the tube while leaving an opening for accessing the opening of the tube at its selected end, and wherein said mold includes an end plug and a cylindrical stub positioned at a free end of said end plug and having a diameter less than a diameter of said end plug, said stub configured for insertion in the opening of the tube for allowing rotational movement of the tube about the end plug for controlling the inner diameter of the tube at its end surface; and

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an actuatable mechanical holding means for holding the multi piece mold, including means for holding the one piece in which is formed a heat distribution source, in proximity to the selected portion of the tube for heating the selected tube portion to render it malleable, and for selectively applying the mold pieces to the tube for shaping the selected portion of the tube.
